



NITFS Compliance Registration



Product: National System for Geospatial Intelligence (NSGI)
Image Quality Simulator (NIQS), version 1.2
Sponsor: Lockheed Martin Corporation
Developer: Lockheed Martin Corporation

Date: 06 August 2004
Expiration: 05 August 2006
Registration #: 131

☒ Initial Registration
☐ Supplemental/Update #
☐ Derived from Reg. #

☒ **System**
N-0105/98, §4.1.1

☐ **Product**
N-0105/98, §4.1.2

☐ **Component**
N-0105/98, §4.1.3

NITFS Features Implemented:

Format

- ☐ NITF
☐ v2.1
☒ v2.0
☐ v1.1
☐ NSIF
☐ v1.0

Pixel Value Types

- ☐ Boolean
☒ Integer
☐ Signed Integer *
☐ IEEE Real *
☐ IEEE Complex *

Annotation Segment Types

- ☐ B-Mapped **
☐ CCM, 2301
☐ CCM, 2301A
☐ Labels **

Text Segments

- ☐ STA
☐ QT1
☐ Q8S
☐ MTF

Image Segment Types

- ☒ MONO
☐ RGB
☐ RGB/LUT
☐ YCbCr
☐ MULTI
☐ NODISPLY
☐ POLAR

Image Compression

- ☒ Not Compressed
☐ JPEG Lossy, 8-bit
☒ JPEG Lossy, 12-bit
☐ JPEG Downsampling
☒ JPEG Lossless
☐ JPEG 2000
☐ BiLevel
☐ Vector Quantization
☐ Multispectral JPEG, Individual Band

Data Extension Segments

- ☐ TRE_OVERFLOW
☐ STREAMING_FILE_HEADER
☐ Controlled Extensions **
☐ Registered Extensions **

Tagged Record

- ☒ Extensions
☒ ICHIPB
☒ IOMAPA
☒ NBLOCA
NSDE

Complexity Level							
NITF 2.1 CLEVEL							
	3	5	6	7			
Interpret							
Generate							
NITF 2.0 CLEVEL							
	1	2	3	4	5	6	Oth
Interpret							
Generate							

Configurations Tested:

- Sun Blade 2000, Solaris 2.8

Legend
Interpret
Generate
☒ Fully implemented
☒ Partially implemented
☐ Not implemented

Edward E. Boyles II

EDWARD E. BOYLES II, Division Chief
Joint Interoperability Test Command
Executive Agent to National Geospatial-
Intelligence Agency for the NITFS Test and
Evaluation Program

Registration does not guarantee that a product will meet all users' requirements.
Potential users should evaluate the detailed test results to determine the suitability of
the product for the intended use. Optional NITFS features may not be implemented.